

AMENDMENTS TO THE CLAIMS

Claims 1-10 (Cancelled)

11. (New) A process for the preparation of an isotactic/syndiotactic polypropylene blend comprising:

(a) providing a catalyst system comprising an isospecific metallocene catalyst component and a syndiospecific metallocene catalyst component effective for the polymerization of propylene; and

(b) contacting said catalyst system with propylene under polymerization conditions to produce a blend of an isotactic polypropylene component A that is crystalline and a syndiotactic polypropylene component B that is less crystalline than said isotactic polypropylene component A, said blend being characterized by a molecular weight distribution that has a single composite peak and a polydispersity of 4 or less.

12. (New) The process of claim 11 wherein said polypropylene blend comprises 20 wt.% or less of said syndiotactic polypropylene component.

13. (New) The method of claim 11 wherein said polypropylene blend comprises no more than 15 wt.% of said syndiotactic polypropylene component.

14. (New) The method of claim 11 wherein said polypropylene blend has a dispersion index within the range of 1.8-4.

15. (New) The method of claim 11 wherein said polypropylene has a dispersion index within the range of 2-3.

16. (New) The process of claim 11 wherein said catalyst system is contacted with said propylene in a common reaction zone containing both of said isospecific and syndiospecific metallocene catalyst components to produce said blend of isospecific polypropylene and syndiospecific polypropylene and withdrawing said polymer blend from said reaction zone.

17. (New) The process of claim 16 wherein said isospecific metallocene catalyst component and said syndiospecific metallocene catalyst component are commonly supported on a common support to form a multisite catalyst system.

18. (New) The process of claim 11 wherein said polymer blend is formed into a polypropylene fiber component.

19. (New) The process of claim 18 wherein said fiber component is a bi-component fiber produced by spinning an extrudate of component A with an extrudate of component B to form a fiber having separate components of said components A and components B.

20. (New) The process of claim 18 wherein said fiber component is a bi-constituent fiber formed of blends of said components A and B extruded through a common extruder.

21. (New) The process of claim 11 wherein said polypropylene is contacted with said isospecific metallocene catalyst component and said syndiospecific metallocene catalyst component in separate reaction zones and recovering said isotactic polypropylene component A and said syndiotactic polypropylene component B from said reaction zones separately and thereafter contacting said isotactic polypropylene component and said syndiotactic polypropylene component to produce said blend.

22. (New) The method of claim 11 wherein said polypropylene blend has a melting temperature within the range of 130-155° C.

23. (New) The method of claim 11 wherein said isotactic polypropylene component is a homopolymer.

24. (New) The method of claim 23 wherein said syndiotactic polypropylene component B is a homopolymer.